

## SEARCH REQUEST FORM

Requestor's Name: \_\_\_\_\_ Serial Number: \_\_\_\_\_

Date: \_\_\_\_\_ Phone: \_\_\_\_\_ Art Unit: \_\_\_\_\_

### Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

### STAFF USE ONLY

Date completed: \_\_\_\_\_

Searcher: \_\_\_\_\_

Terminal time: \_\_\_\_\_

Elapsed time: \_\_\_\_\_

CPU time: \_\_\_\_\_

Total time: \_\_\_\_\_

Number of Searches: \_\_\_\_\_

Number of Databases: \_\_\_\_\_

#### Search Site

STIC

CM-1

Pre-S

N.A. Sequence

A.A. Sequence

Structure

Bibliographic

#### Vendors

IG Suite

STN

Dialog

APS

Geninfo

SDC

DARC/Questel

Other

McGarry  
09/900115

09/900115

FILE 'REGISTRY' ENTERED AT 12:35:46 ON 19 MAR 2003  
L1 64 SEA ABB=ON PLU=ON GAGGGCGGCATGGGGGAGGC|GACCCATGGCAGCCCC  
CGTCG|GCAGCAGTCTTCTCCGTGG/SQSN  
L2 5 SEA ABB=ON PLU=ON L1 AND SQL=<50

L2 ANSWER 1 OF 5 REGISTRY COPYRIGHT 2003 ACS  
RN 389095-72-1 REGISTRY  
CN DNA, d(G-C-A-G-C-A-G-T-T-C-T-T-C-C-G-T-G-G) (9CI) (CA INDEX  
NAME)  
CI MAN  
SQL 20

SEQ 1 gcagcagttc ttctccgtgg  
===== =====

HITS AT: 1-20

REFERENCE 1: 136:98843

L2 ANSWER 2 OF 5 REGISTRY COPYRIGHT 2003 ACS  
RN 389095-71-0 REGISTRY  
CN DNA, d(G-A-C-C-C-A-T-G-G-C-A-G-C-C-C-C-G-T-C-G) (9CI) (CA INDEX  
NAME)  
CI MAN  
SQL 21

SEQ 1 gacccatggc agcccccgtc g  
===== ===== =

HITS AT: 1-21

REFERENCE 1: 136:98843

L2 ANSWER 3 OF 5 REGISTRY COPYRIGHT 2003 ACS  
RN 389095-70-9 REGISTRY  
CN DNA, d(G-A-G-G-G-C-G-C-A-T-G-G-G-G-A-G-G-C) (9CI) (CA INDEX  
NAME)  
CI MAN  
SQL 20

SEQ 1 gagggcggca tgggggaggc  
===== =====

HITS AT: 1-20

REFERENCE 1: 136:98843

L2 ANSWER 4 OF 5 REGISTRY COPYRIGHT 2003 ACS  
RN 382844-13-5 REGISTRY  
CN GenBank I08267 (9CI) (CA INDEX NAME)  
CI MAN  
SQL 36

SEQ 1 cacgcagcag ttcttctccg tggagctgaa gcaata  
===== ===== ==

HITS AT: 4-23

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

L2 ANSWER 5 OF 5 REGISTRY COPYRIGHT 2003 ACS  
RN 160671-10-3 REGISTRY

Searcher : Shears 308-4994

09/900115

CN GenBank I06215 (9CI) (CA INDEX NAME)  
CI MAN  
SQL 36

SEQ 1 cacgcagcag ttcttctccg tggagctgaa gcaata  
===== ====== ==

HITS AT: 4-23

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

FILE 'HCAPLUS' ENTERED AT 12:37:43 ON 19 MAR 2003  
L3 1 S L2

L3 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2002:51491 HCAPLUS  
DOCUMENT NUMBER: 136:98843  
TITLE: Transforming growth factor beta (TGF-.beta.)  
blocking agent-treated stem cell composition and  
method  
INVENTOR(S): Bartelmez, Stephen H.; Iversen, Patrick L.  
PATENT ASSIGNEE(S): Avi Biopharma, Inc., USA  
SOURCE: PCT Int. Appl., 59 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002004479	A1	20020117	WO 2001-US21420	20010706
W: AU, CA, JP, KR				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
AU 2001071873	A5	20020121	AU 2001-71873	20010706
PRIORITY APPLN. INFO.:			US 2000-216256P	P 20000706
			WO 2001-US21420	W 20010706

AB The invention relates to TGF-.beta. blocking agent-treated hematopoietic stem cells (HSC) compns. and methods comprising the same. The TGF-.beta. blocking agent-treated stem cells are viable for an extended time in culture without replication or differentiation and upon transfer to appropriate conditions are capable of long term hematopoietic reconstitution. Treatment of HSC with a morpholino antisense oligomer directed to the type II TGF-.beta. receptor was effective to promote the survival of long term repopulating hematopoietic stem cells in culture in the absence of exogenously provided cytokines and was effective to promote both rapid and sustained repopulation of the hematopoietic system of lethally irradiated recipients.

IT 389095-70-9 389095-71-0 389095-71-0D,  
reaction with morpholine 389095-72-1  
RL: BUU (Biological use, unclassified); PRP (Properties); BIOL  
(Biological study); USES (Uses)  
(nucleotide sequence, as antisense oligomer; transforming growth factor beta (TGF-.beta.) blocking agent-treated stem cell compn. and method)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN

09/900115

THE RE FORMAT

FILE 'HOME' ENTERED AT 12:37:53 ON 19 MAR 2003

Searcher : Shears 308-4994